

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Applicant:	§	
	§	
Ernest GRIMBERG	§	
	§	Group Art Unit:
Serial No.: US National Phase of	§	Not Yet Assigned
PCT/IL2004/000714	§	
	§	
Filed: Herewith	§	
	§	
For: Radiometry Using An Uncooled	§	Attorney
Microbolometer Detector	§	Docket: 31322
	§	
Examiner: Not Yet Assigned	§	

Mail Stop Petition  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**PETITION TO ACCEPT COLOR DRAWINGS/PHOTOGRAPHS**

Sir:

1. This Petition is for the acceptance of color drawings/photographs, both black and white and color, in this case.
2. Attached hereto are three (3) sets of color photographs on DIN size A4 sheets (21.0 by 29.7 cm) for examination, copying and archival purposes.
3. Please amend the specification by inserting the following language as the first paragraph of the specification beginning at Brief Description of the Drawings (page 12 at line 26):

--The file of this patent contains at least one drawing executed in color photograph. Copies of this patent with color photograph(s) will be provided by the Patent and Trademark Office upon request and payment of necessary fee. --

4. Please charge \$130.00 and any additional fees, if required, to Deposit Account No. **50-1407**. A duplicate copy of this form is attached herewith.

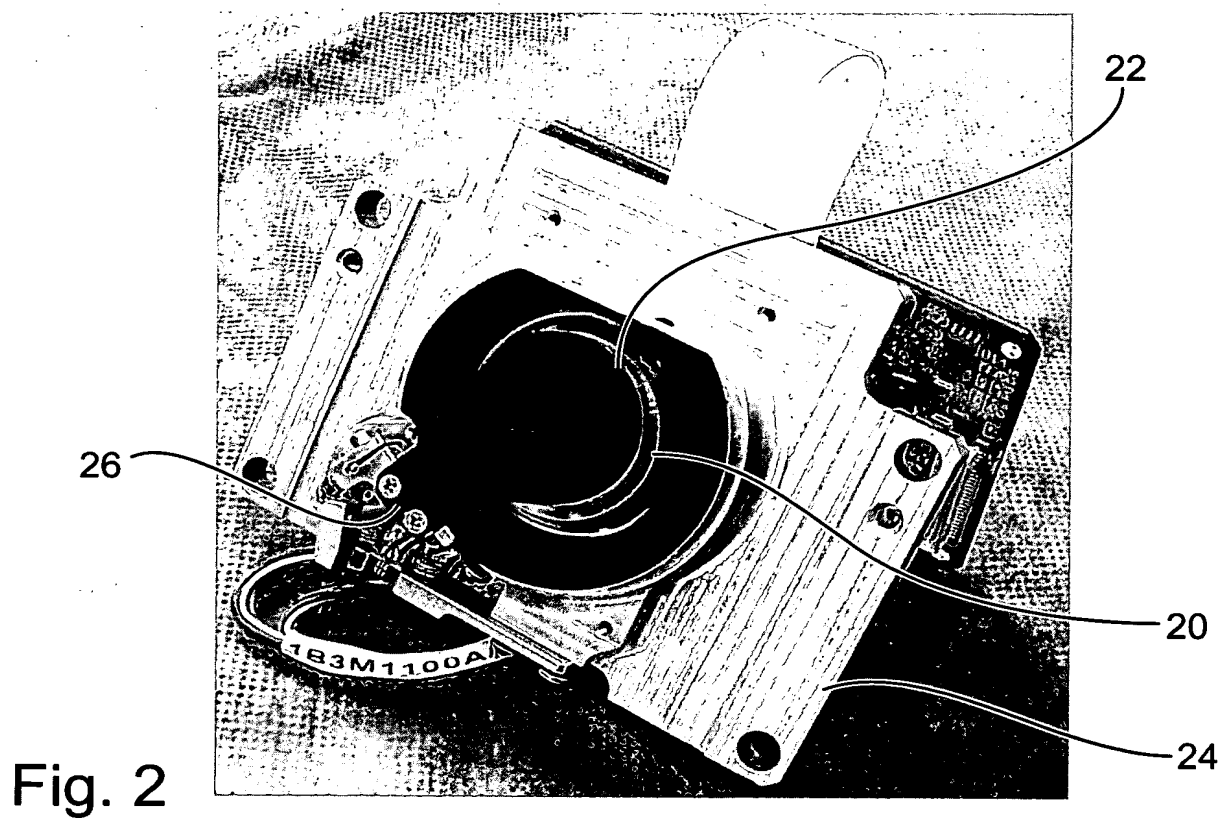
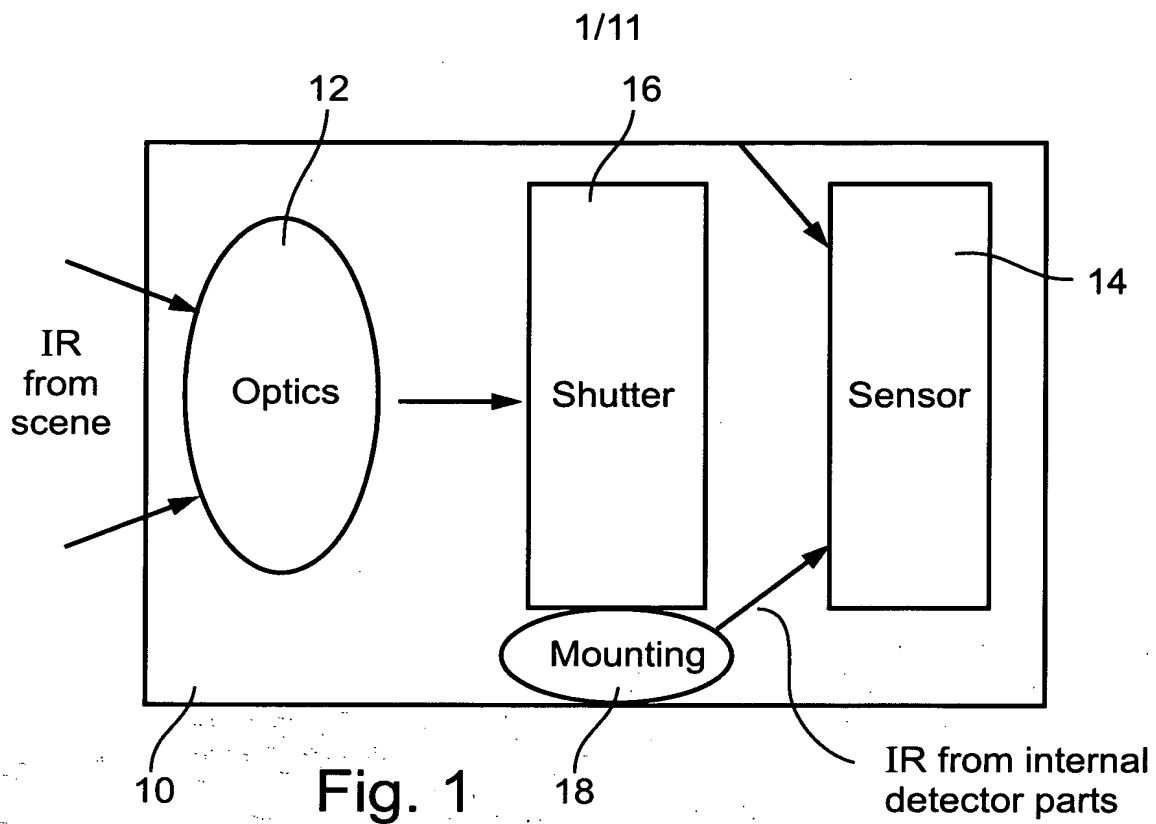
Respectfully submitted,



Martin D. Moynihan  
Registration No. 40,338

Date: February 5, 2006

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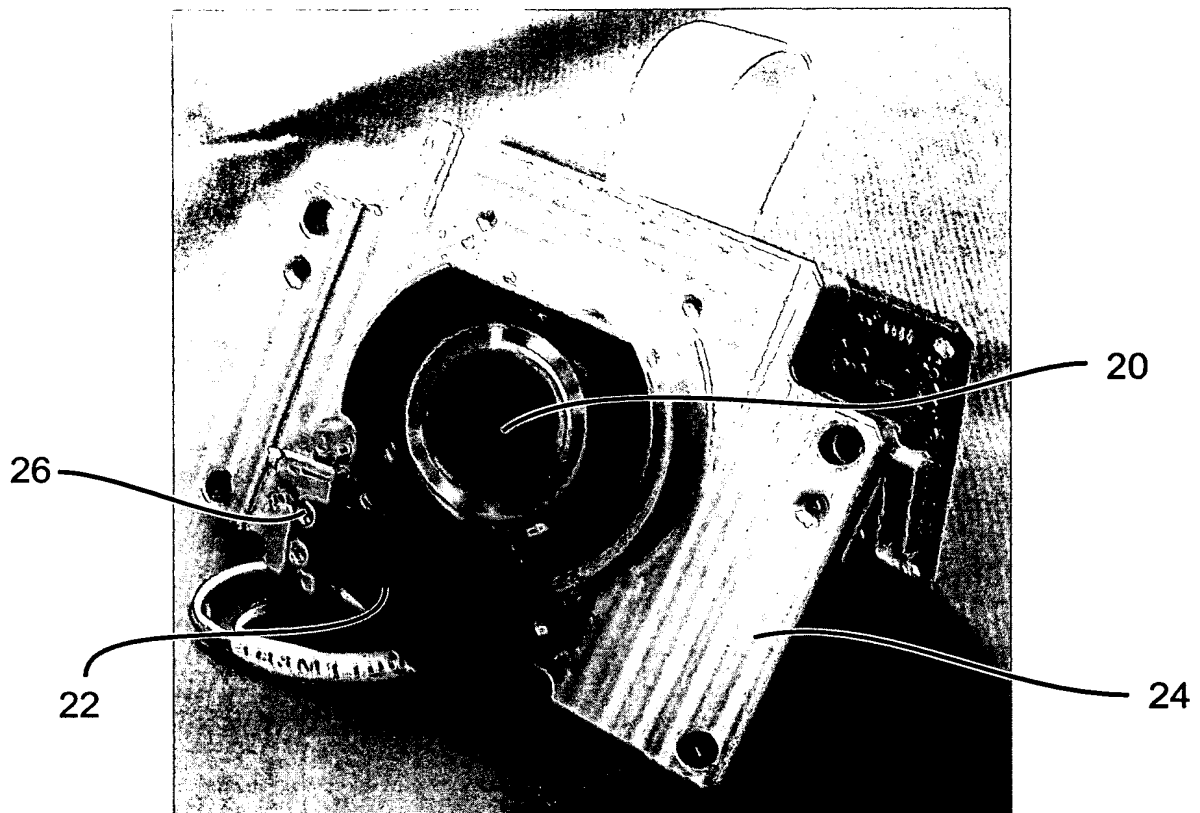


Fig. 3

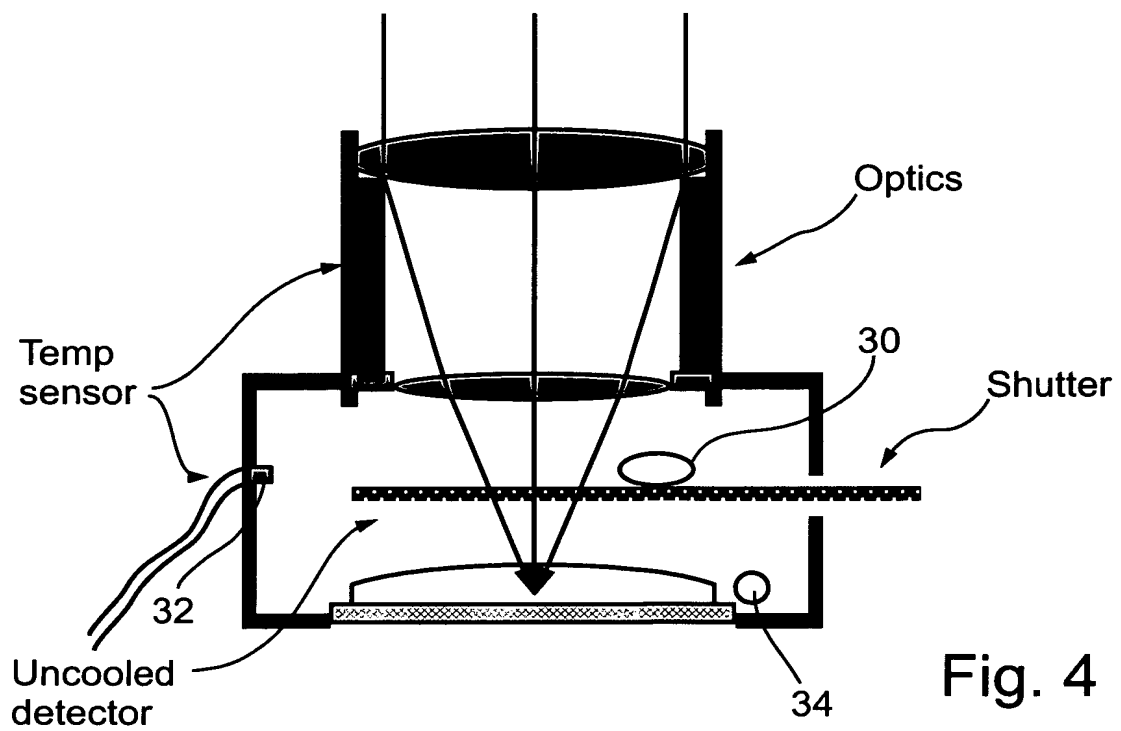


Fig. 4

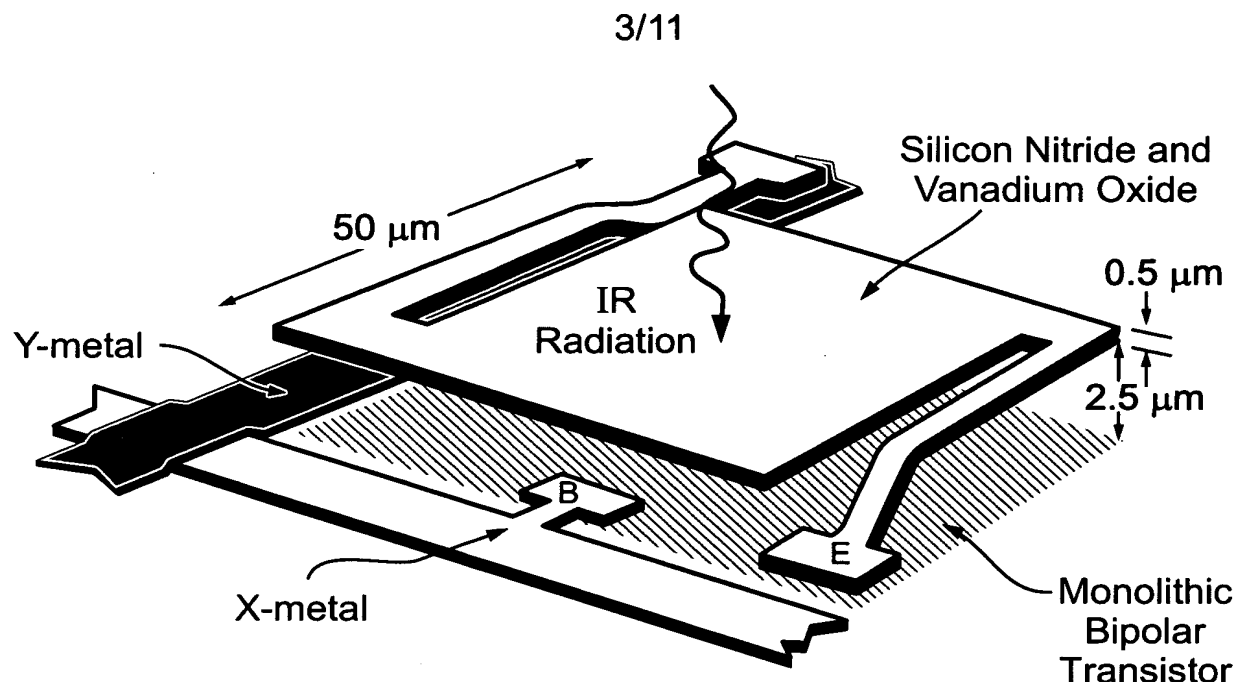
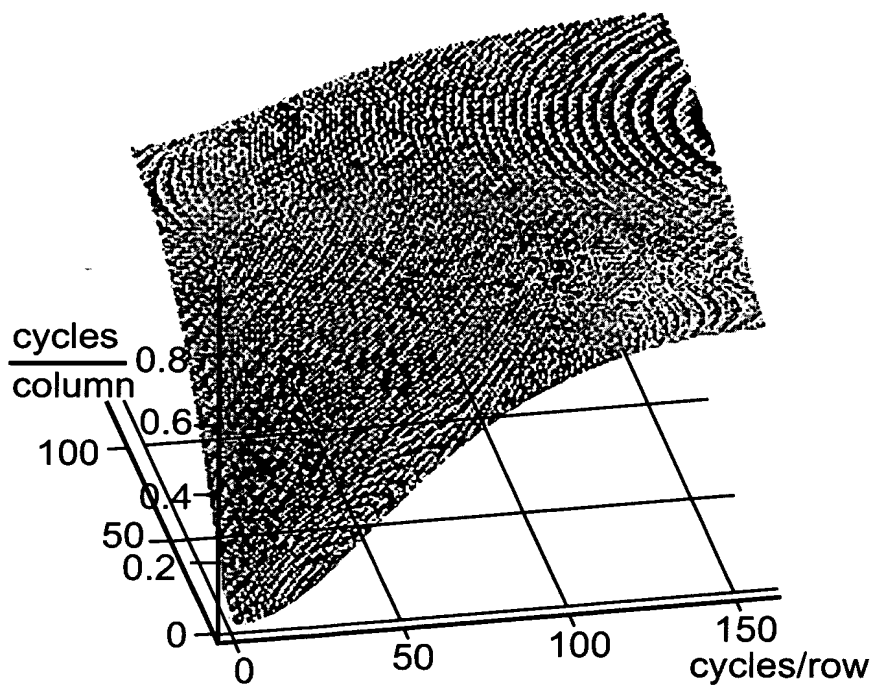


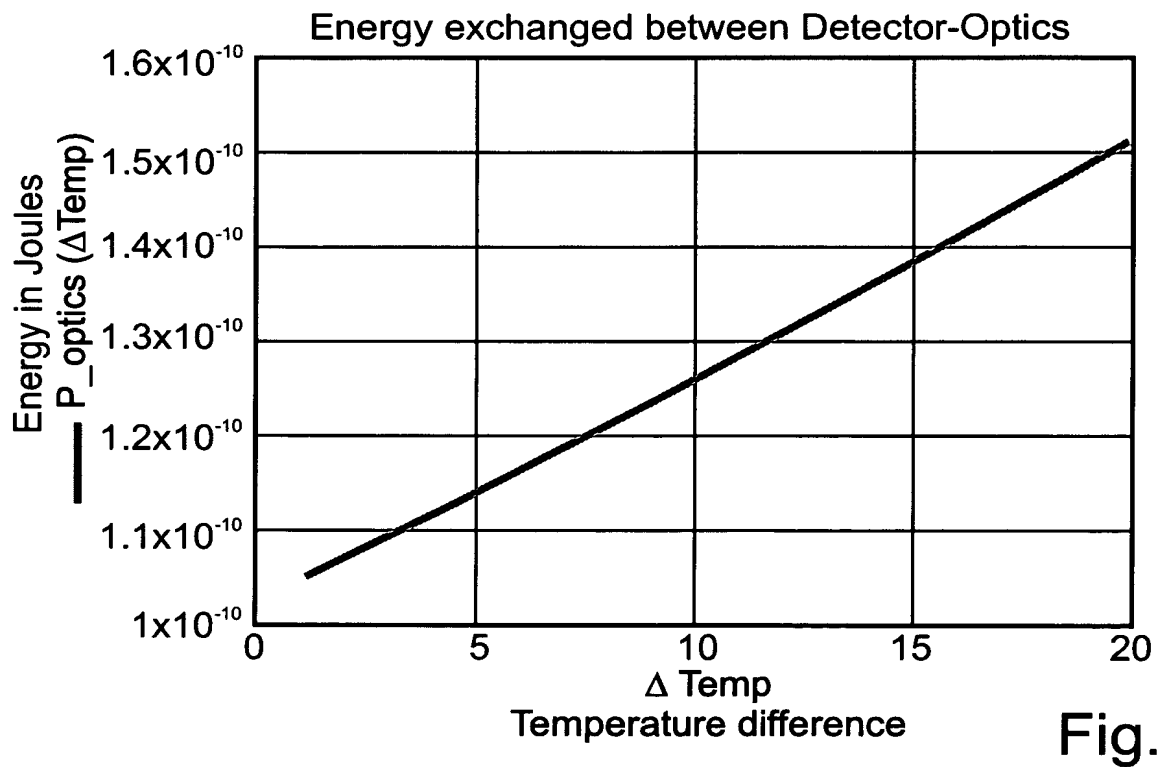
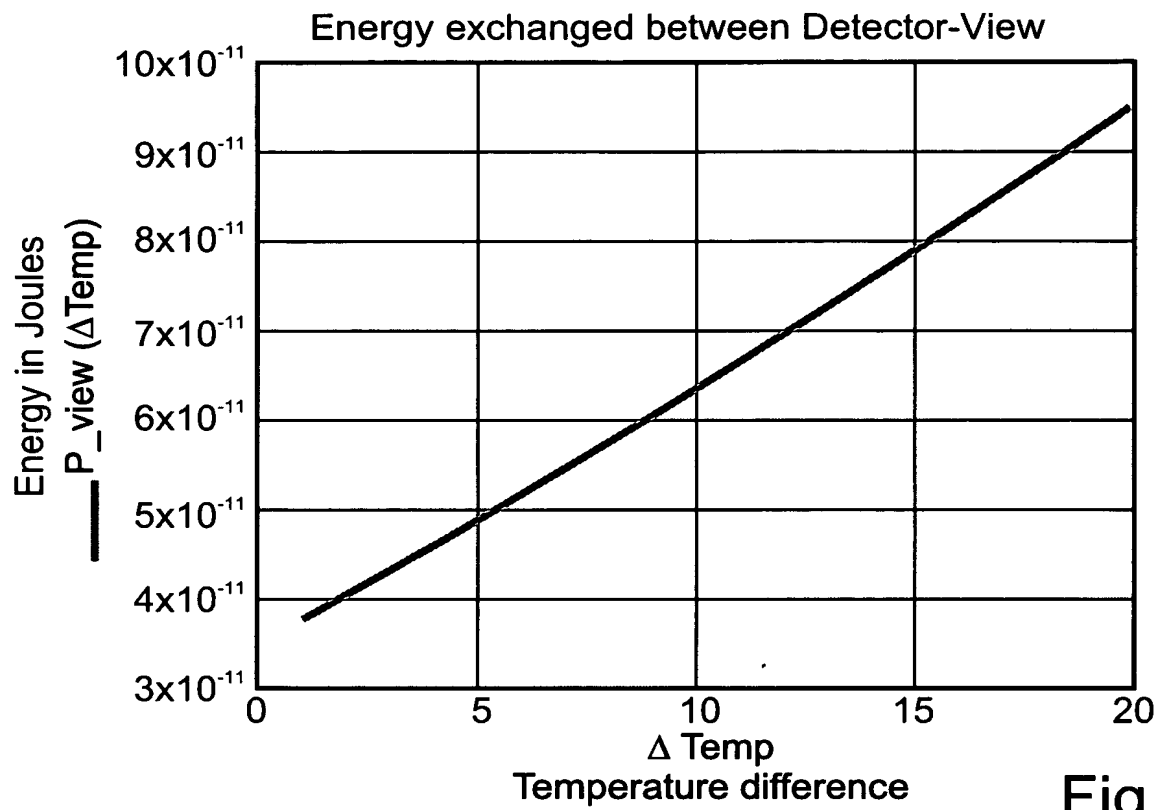
Fig. 5

Frequency response



High pass filter frequency response. Time filter is the MTF inverse approximation for a detector that contains 320 by 240 elements

Fig. 6



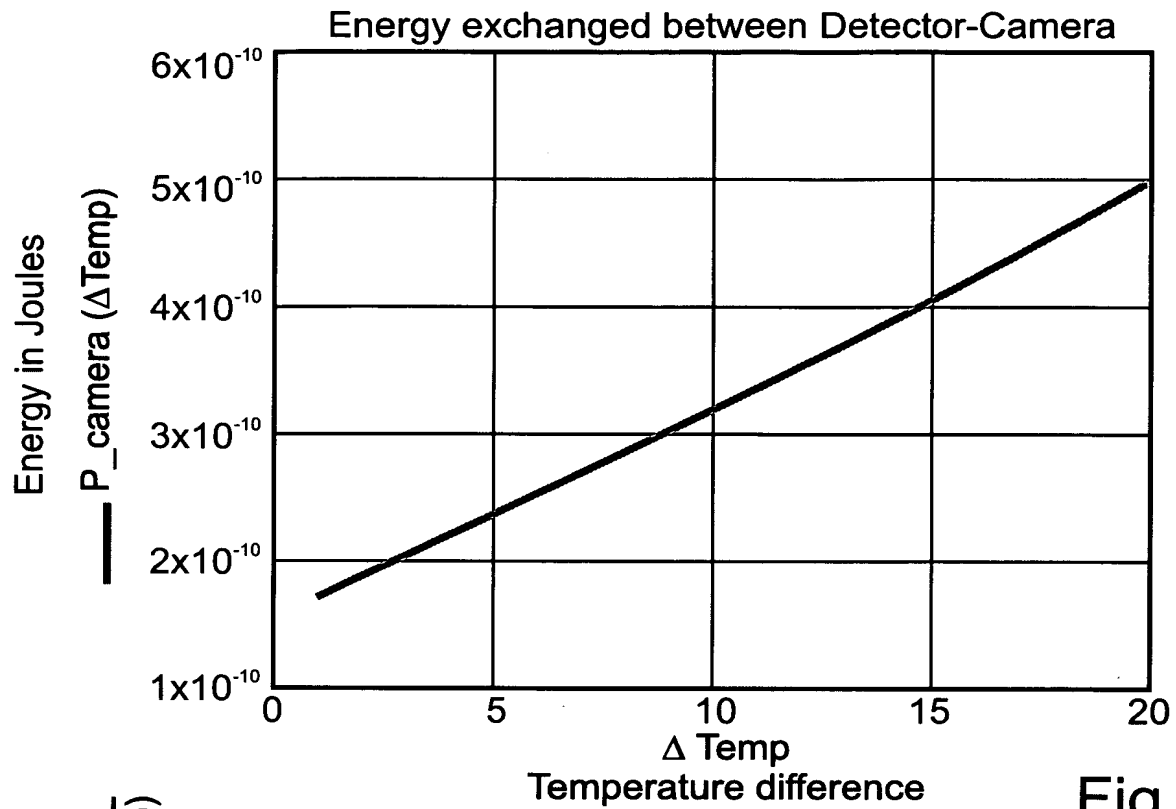


Fig. 9

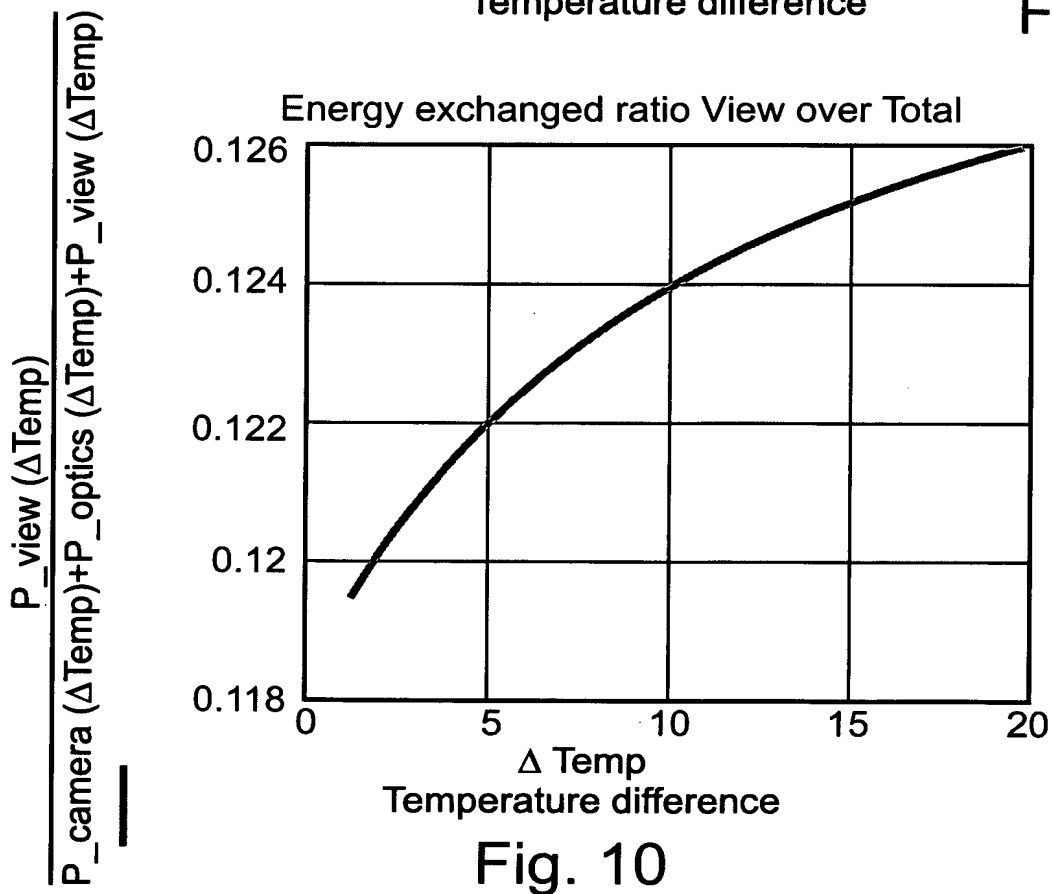


Fig. 10

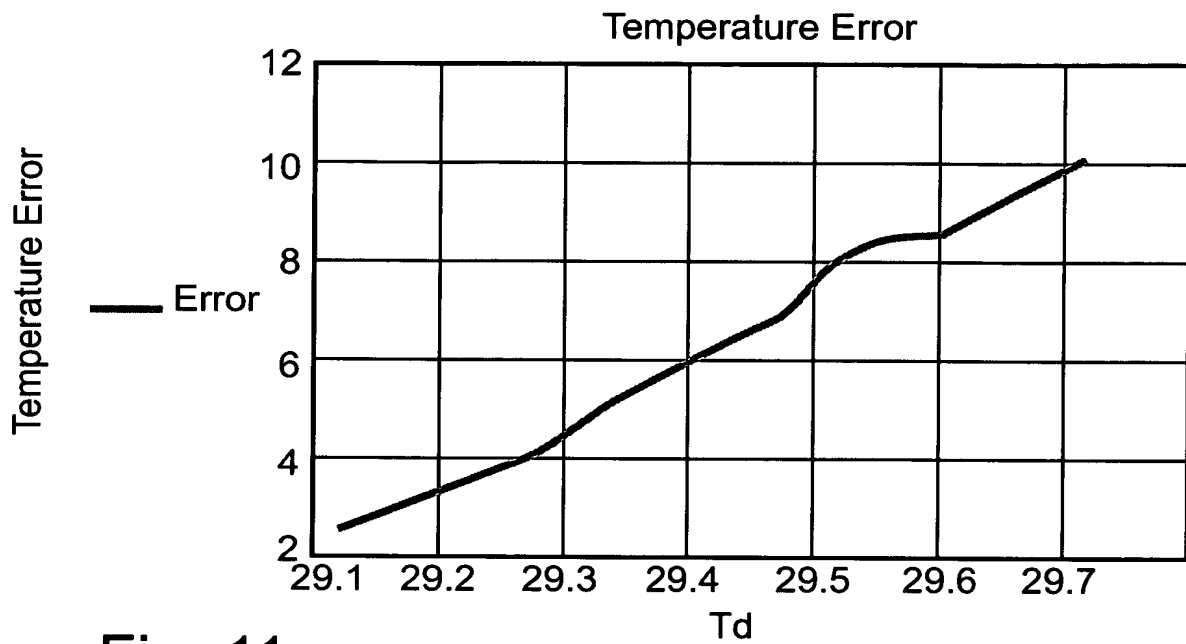


Fig. 11 Thermistor temperature value [deg. C]

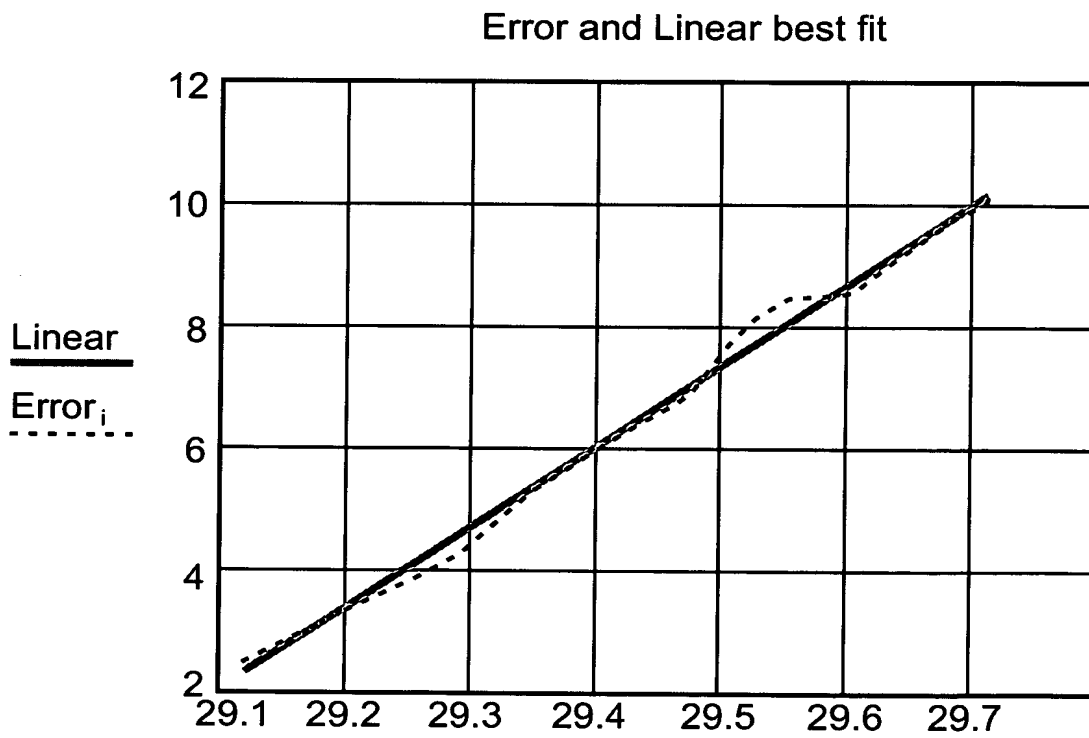


Fig. 12 Thermistor value [degree Celsius]

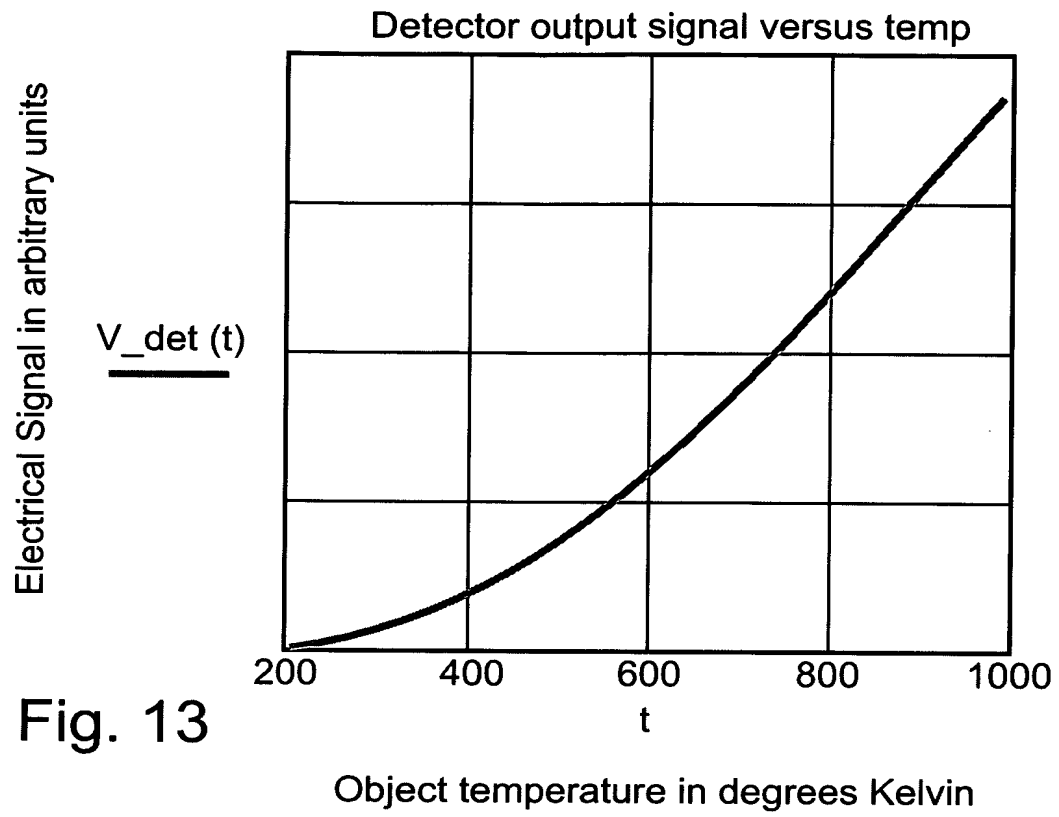


Fig. 13



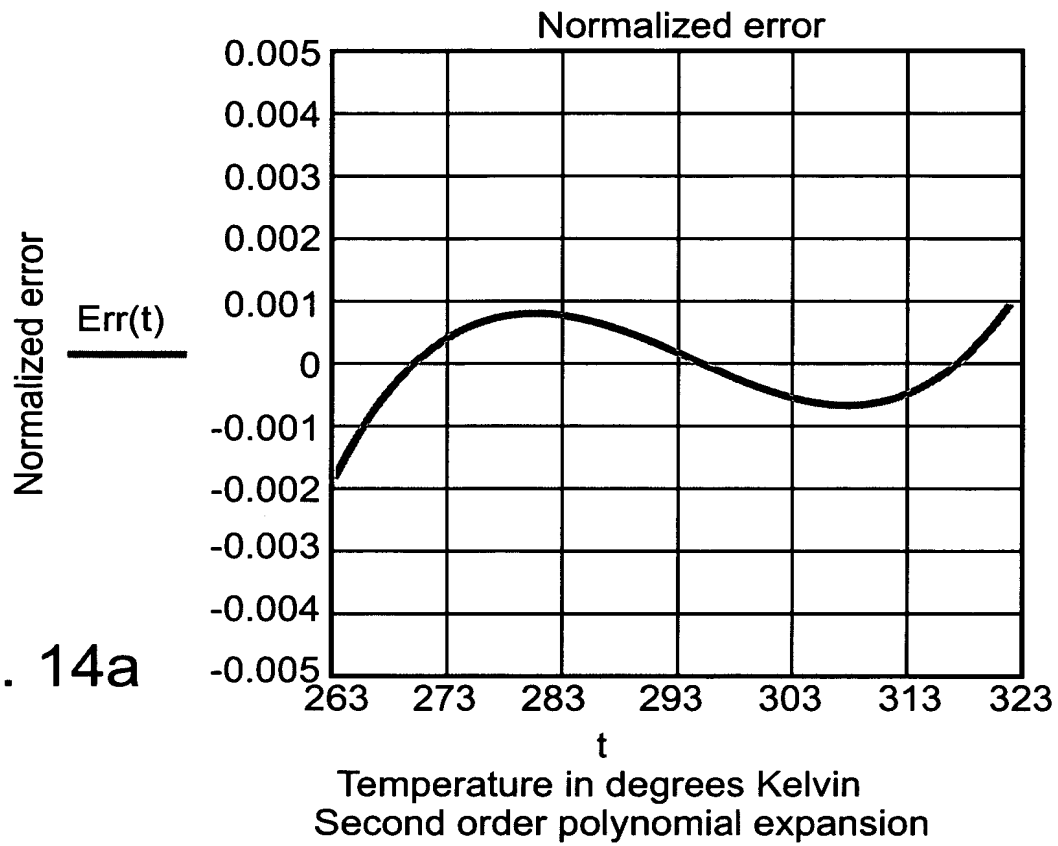


Fig. 14a

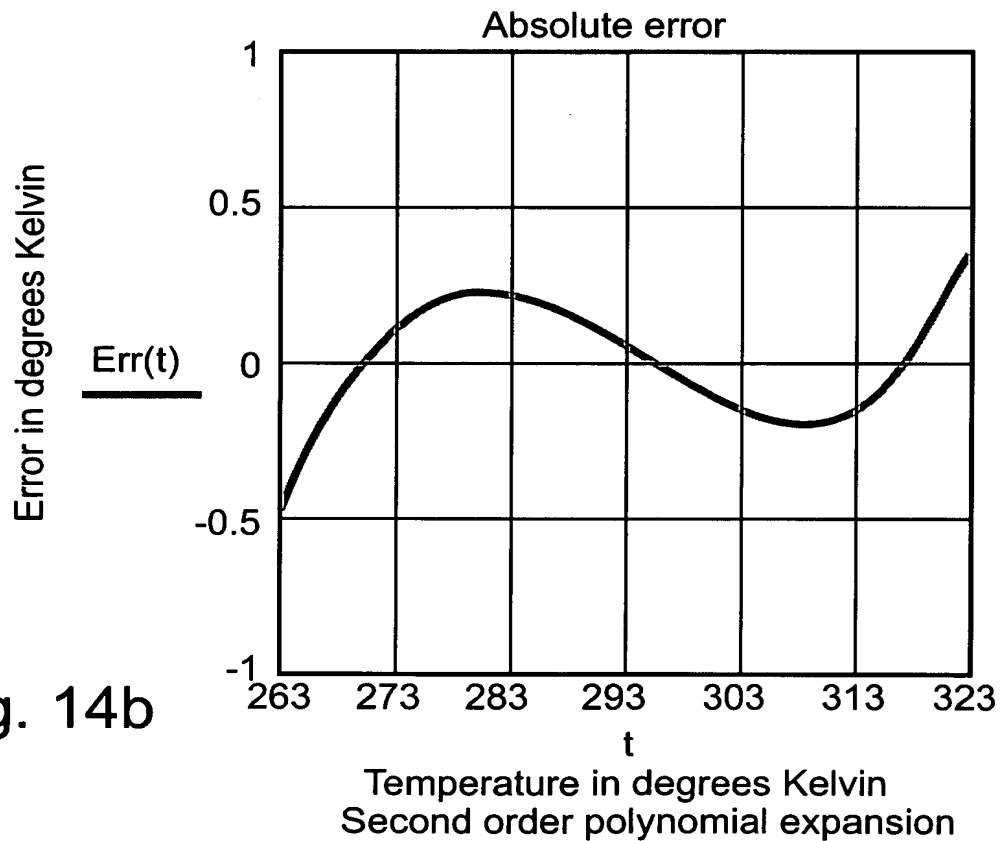


Fig. 14b

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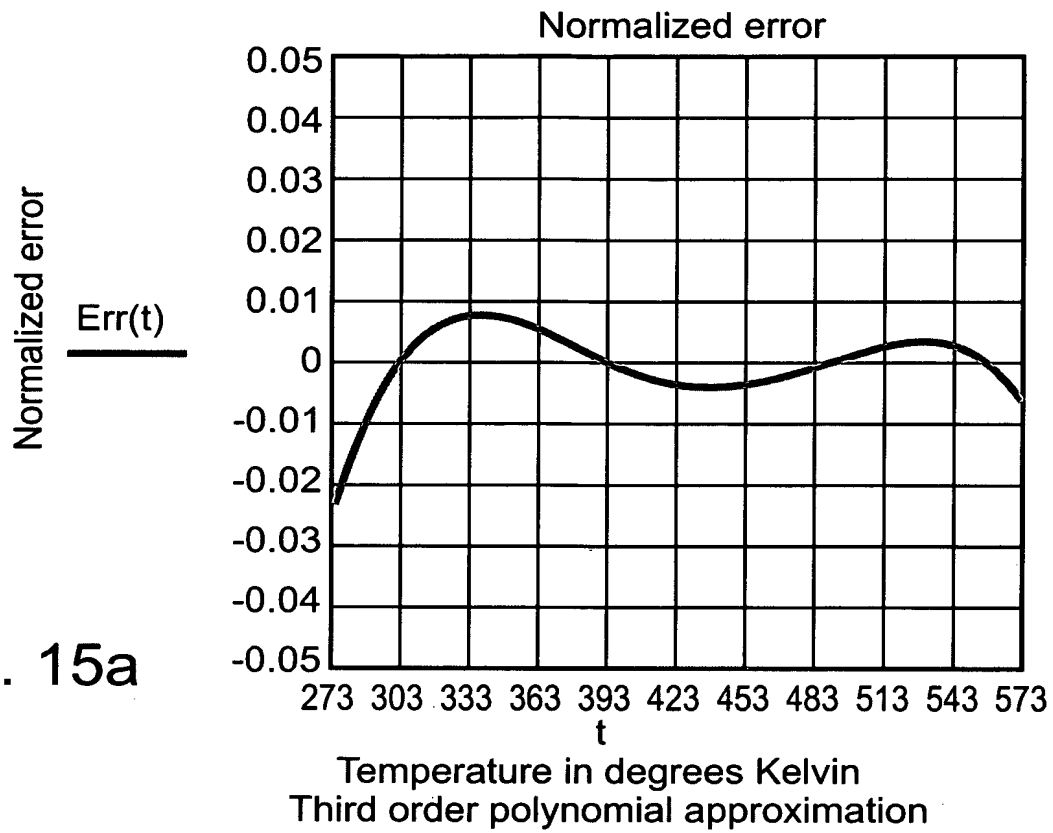


Fig. 15a

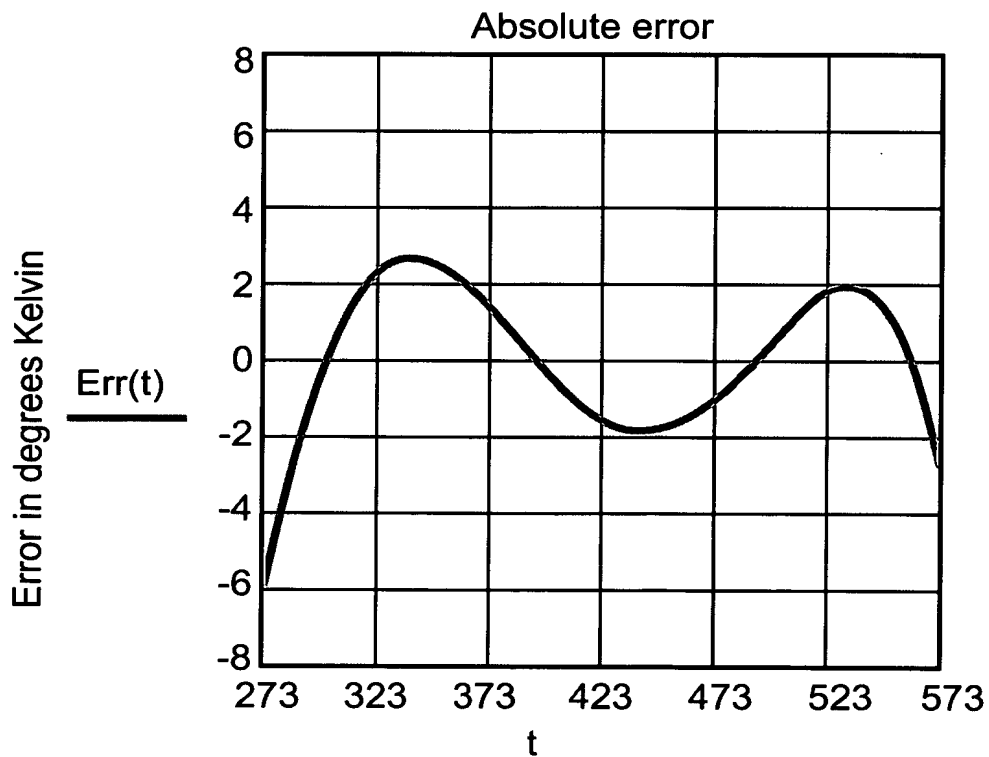


Fig. 15b

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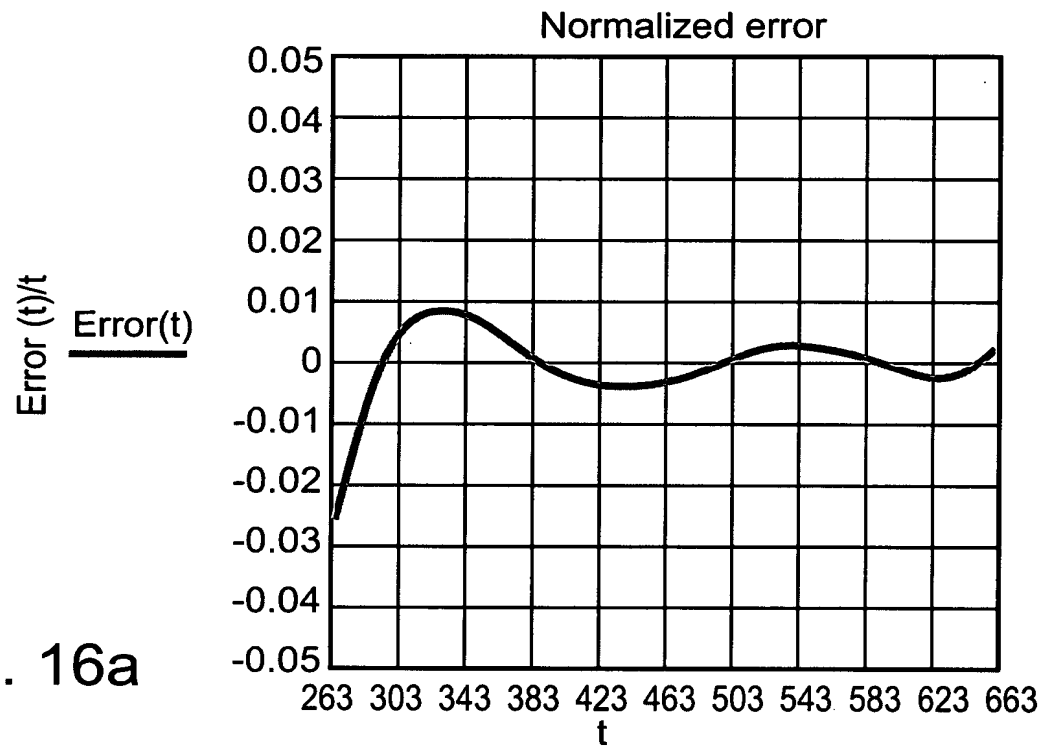


Fig. 16a

Temperature in degrees Kelvin  
Fourth order polynomial expansion approximation

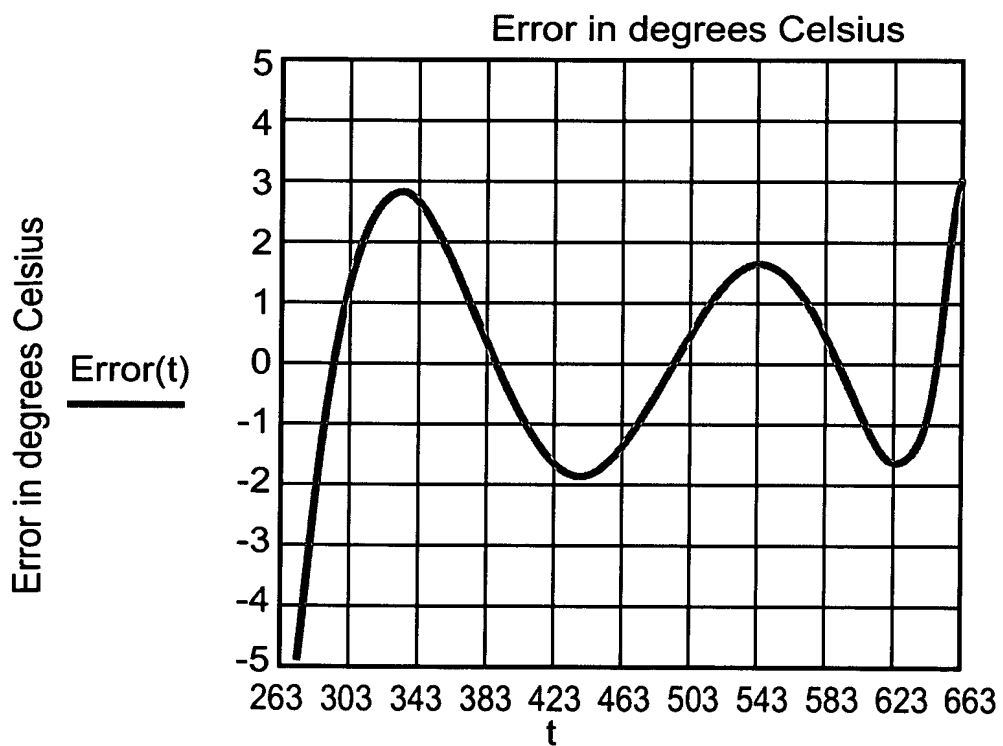
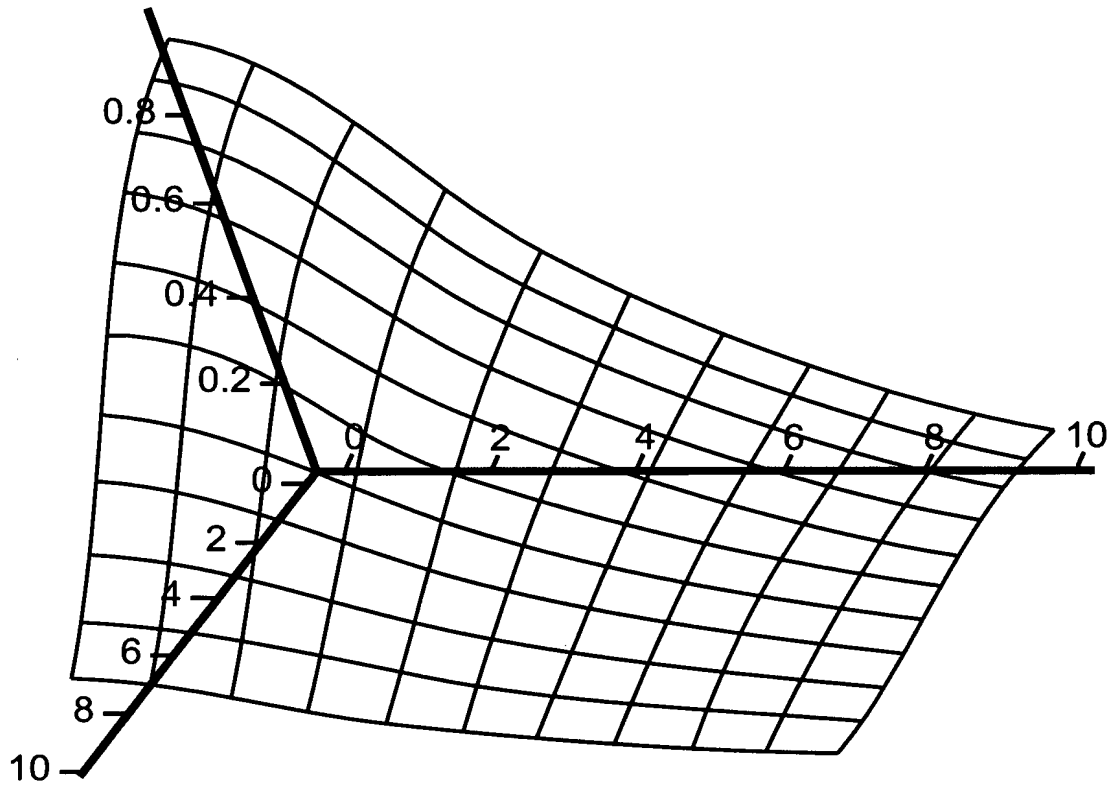


Fig. 16b

Temperature in degrees Kelvin  
Fourth order polynomial expansion approximation



Fourier transform of camera impulse response

Fig. 17

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